

FIG. 1

.

2 / 19

FIG. 2(a)

NO DETECTION VOLTAGE APPLIED SECTION 1 SECTION 2

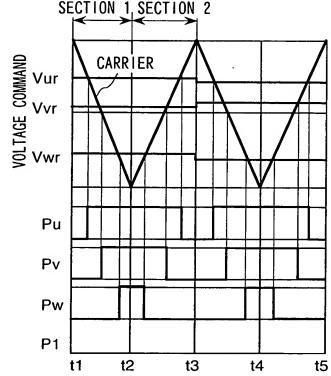
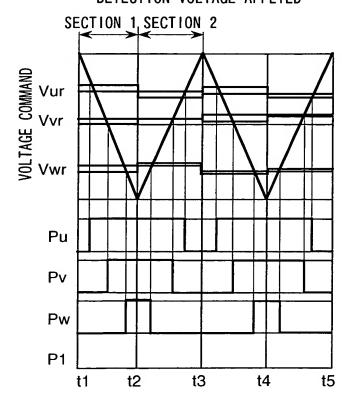


FIG. 2(b)

DETECTION VOLTAGE APPLIED



3 / 19

FIG. 3

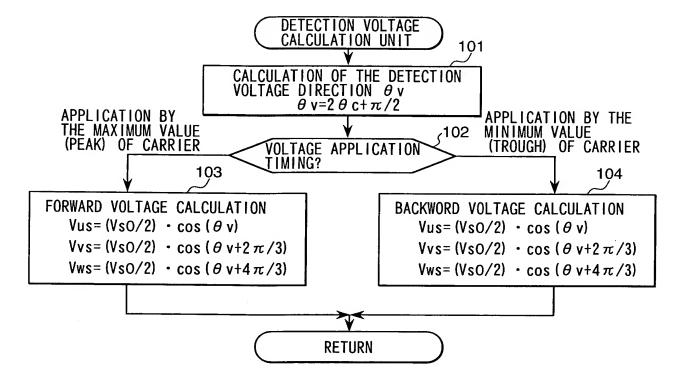
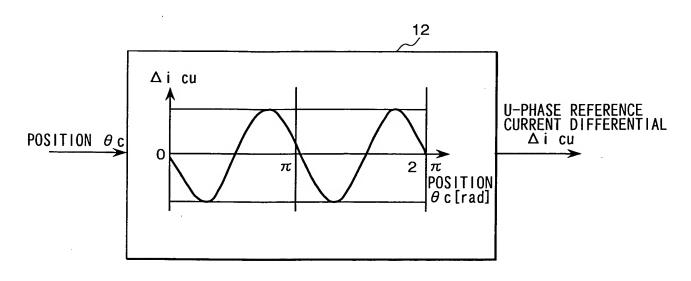


FIG. 4



## FIG. 5

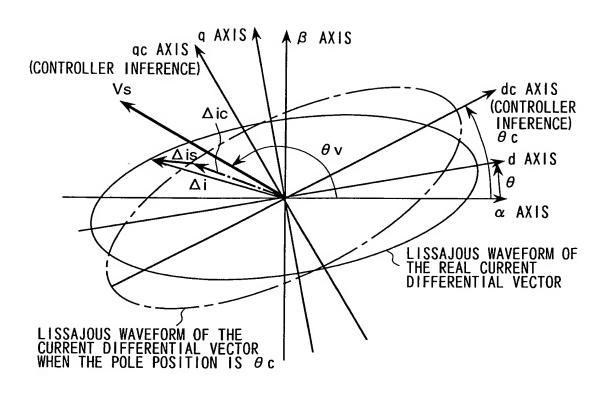
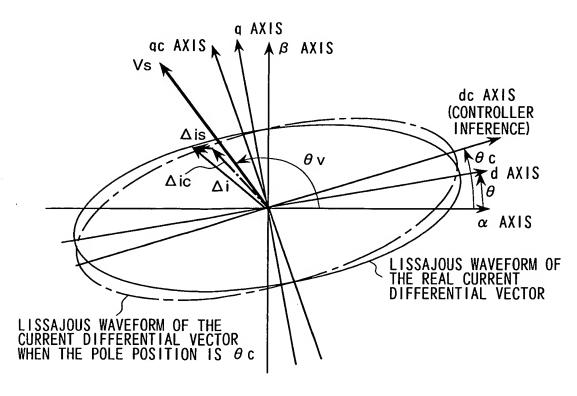


FIG. 6



5 / 19

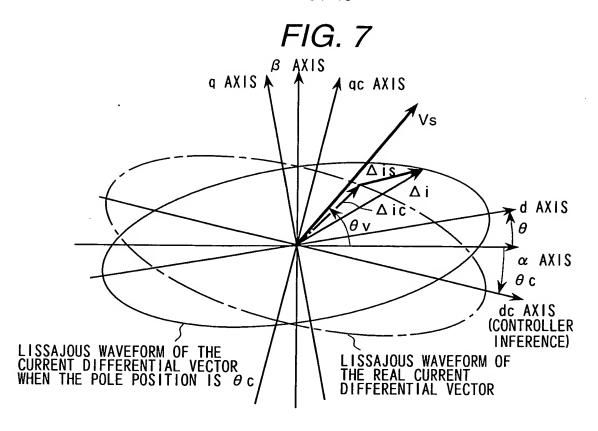
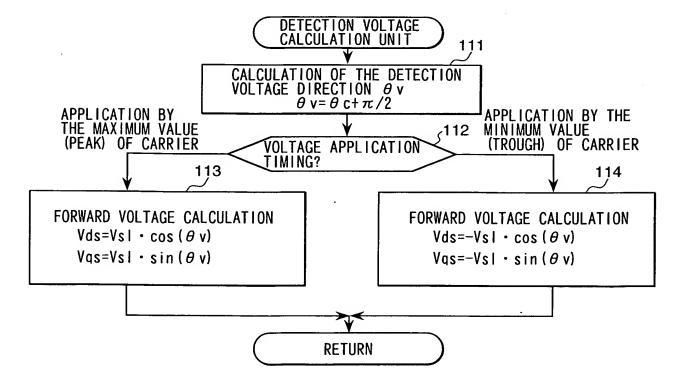


FIG. 9



5€

က

SYNCHRONOUS ) MOTOR INVERTER 5 .≥ .⊒ .≥ CURRENT DETECTION Sc ₹ Ъ ≥ ۲ 퓝 PWM SIGNAL GENERATION ω Δicu CURRENT DIFFER-ENTIAL \wr 8 CONVERSION CONVERSION က **b** р > COORD INATE CONVERSION 9 Θ SPEED 6 Vqs ) လ <u>o</u>. .酉 3 CURRENT 16 ġ <u>6</u> CURRENT COMMAND TORPUE COMMAND 12

## FIG. 10

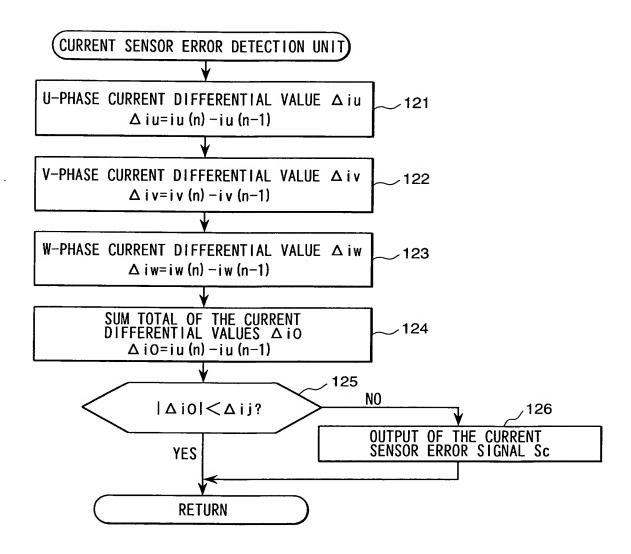


FIG. 11

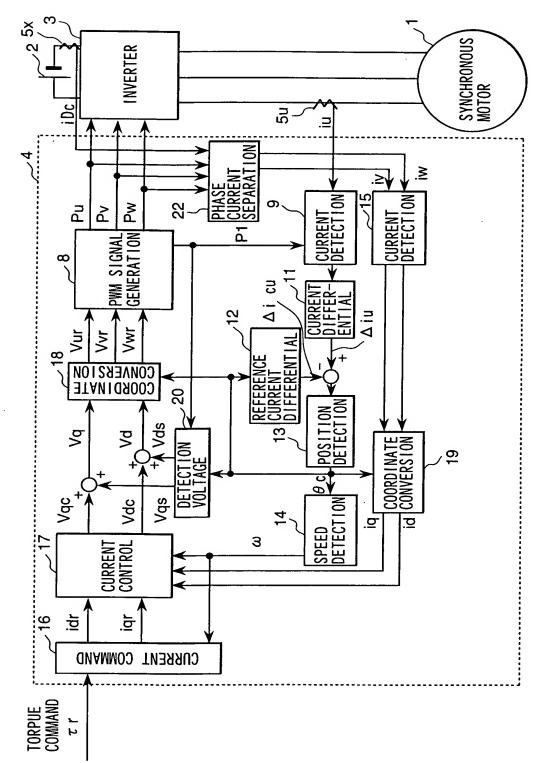


FIG. 12

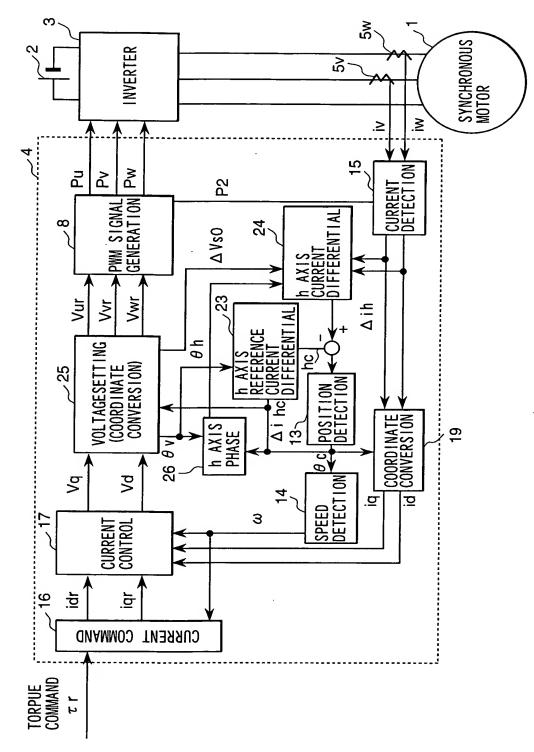


FIG. 13

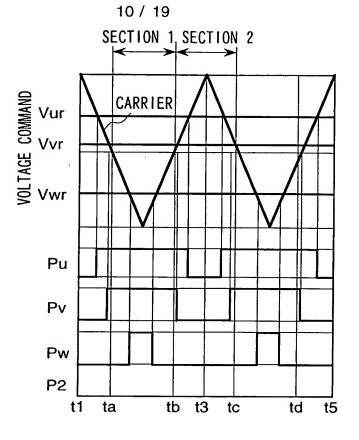
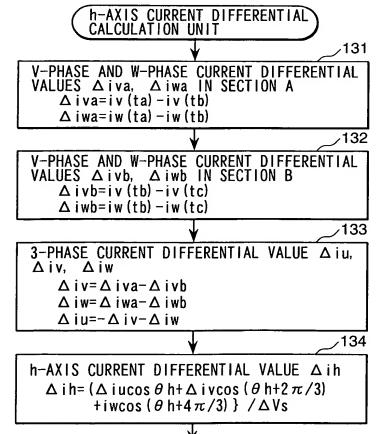
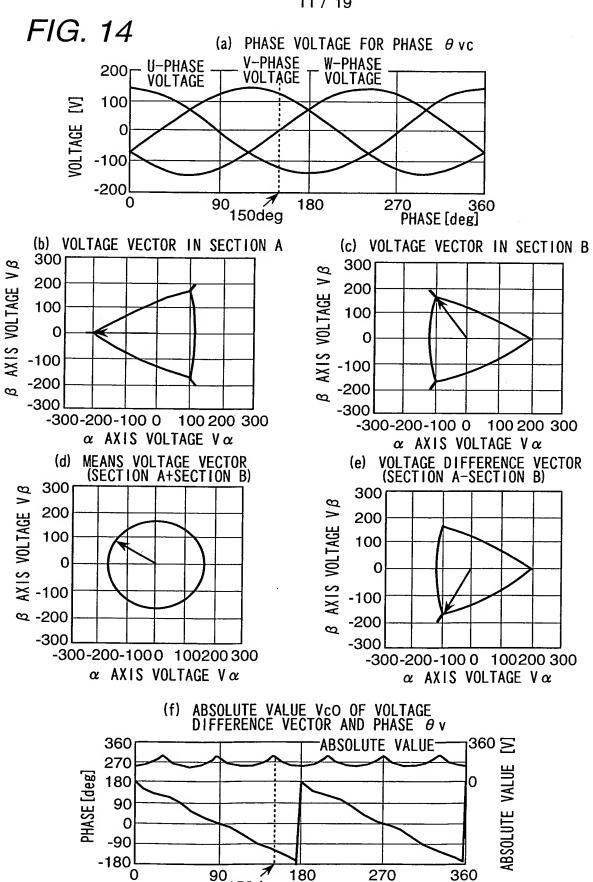


FIG. 16



RETURN

11 / 19



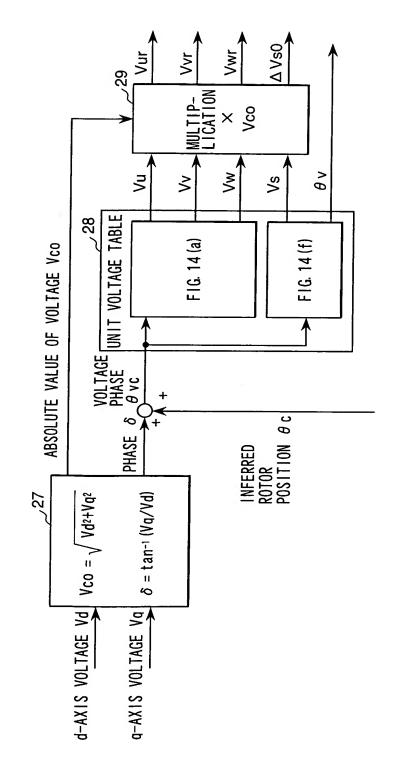
180

PHASE [deg]

150deg

270

FIG. 15



13 / 19

FIG. 17

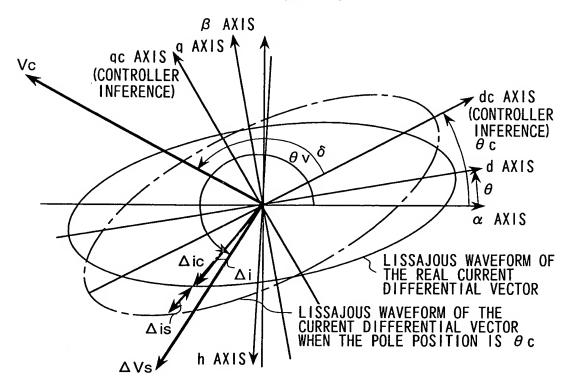
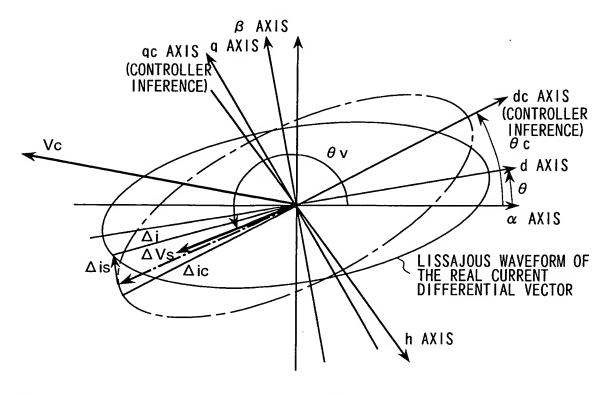
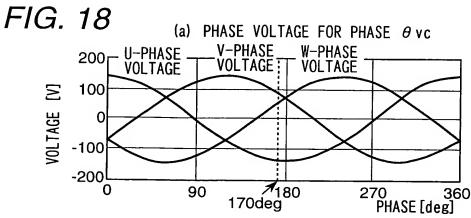
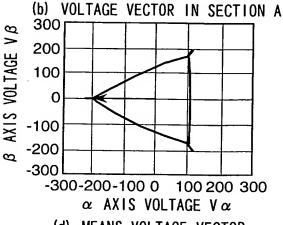
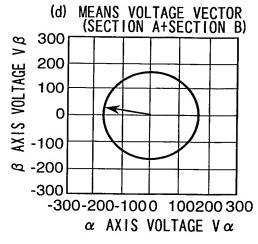


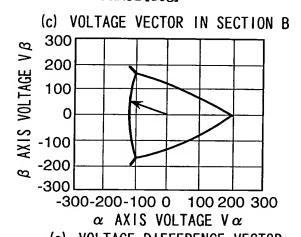
FIG. 19

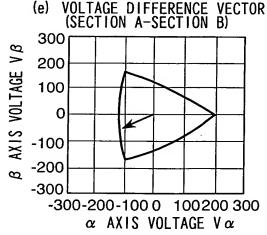


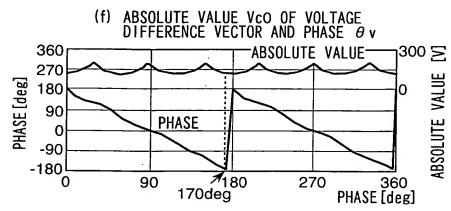












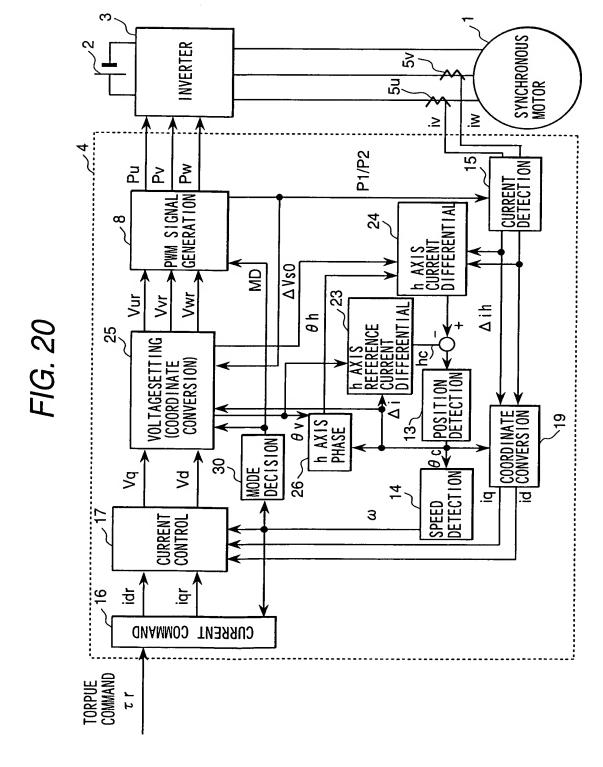
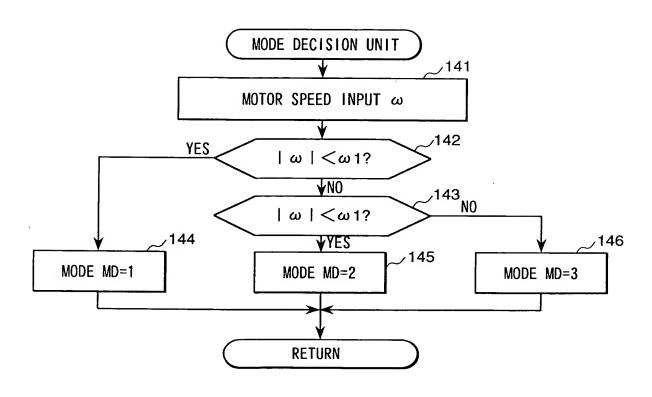
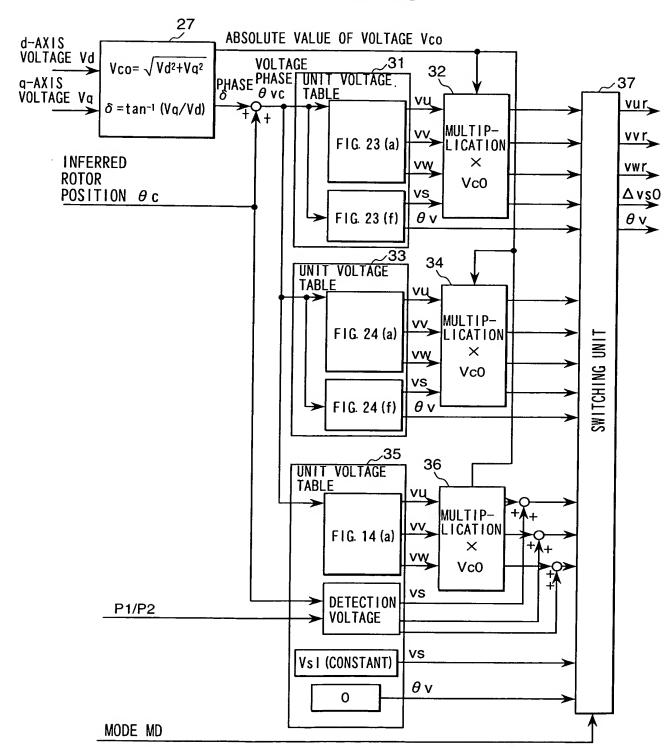


FIG. 21



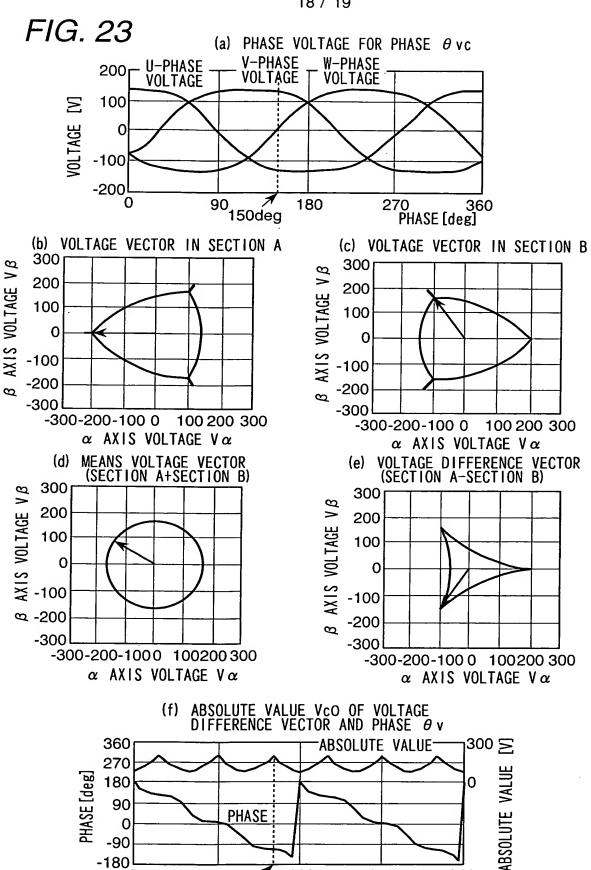


## FIG. 22







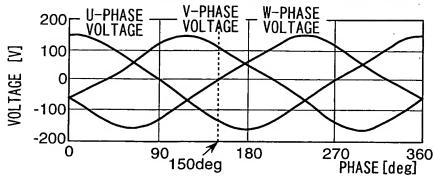


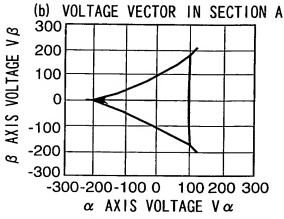
150deg

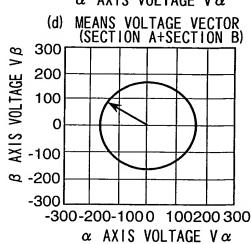
PHASE [deg]

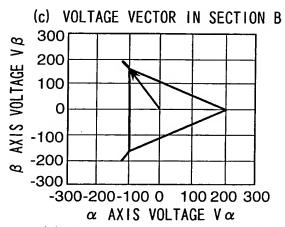


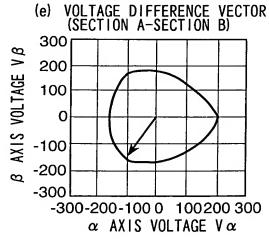


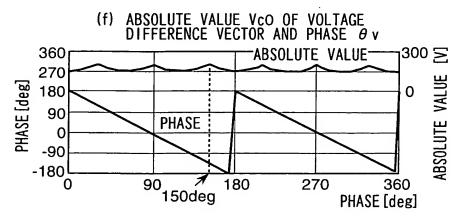












HOBERO ZORTOCH